

**10003**  
**BAUXITE EVALUATIONS**

**PROJECT OBJECTIVE:**

**IMPLEMENT THE FULL RANGE OF BAUXITE EVALUATION PROCEDURES REQUIRED TO SUPPORT ARCO METALS PRESENT AND FUTURE PARTICIPATION IN BAYER OPERATIONS.**

**KEY TECHNICAL ISSUES:**

- o **WHAT ARE THE NECESSARY LABORATORY PROCEDURES?**
- o **CAN ACCURATE, REPRODUCIBLE WET CHEMICAL METHODS FOR BAUXITE ANALYSIS BASED ON ALPART, ALCAN OR OTHER LITERATURE METHODS BE SET UP AT TRL?**
- o **CAN TGA AND XRD METHODS FOR BAUXITE PHASE ANALYSIS BE SET UP AT TRL USING EXISTING EQUIPMENT?**
- o **IS IT NECESSARY OR ADVANTAGEOUS TO DEVELOP NEW METHODS FOR BAUXITE ANALYSIS USING XRF, ICP OR OTHER TECHNIQUES?**